

SEQUENCE LISTING

<110> Yu, Kun
Tan, Patrick

<120> Materials and Methods Relating to Breast
Cancer Classification

<130> 4685-P04018US00

<140> 10/574,392

<141> 2006-11-22

<150> PCT/GB2004/004195

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<150> GB 0323225.3

<151> 2003-10-03

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<211> 1182
<212> DNA
<213> Homo Sapiens

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<211> 1174
<212> DNA
<213> Homo Sapiens

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<211> 1203
<212> DNA
<213> Homo Sapiens

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 <212> DNA
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 <212> DNA
 <213> Homo Sapiens

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 <211> 891
 <212> DNA
 <213> Homo Sapiens

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 <212> DNA
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<400> 25						
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 <211> 873
 <212> DNA
 <213> Homo Sapiens

<400> 26						
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 <212> DNA
 <213> Homo Sapiens

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 <212> DNA
 <213> Homo Sapiens

<400> 61

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 <212> DNA
 <213> Homo Sapiens

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 <212> DNA
 <213> Homo Sapiens

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 <212> DNA
 <213> Homo Sapiens

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 <212> DNA
 <213> Homo Sapiens

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 <212> DNA
 <213> Homo Sapiens

<400> 66						
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 <212> DNA
 <213> Homo Sapiens

<400> 67						
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aatcgtggcc	gagttcttct	cattcggcat	caacagcatt	ttatatcagc	gtggcatata	180
tccatctgaa	acctttatc	gagtgacaga	atccggactc	accttgcttg	taactactga	240
tcttgagctc	ataaaatacc	taaataatgt	ggtggaacaa	ctgaaagatt	ggttatacaa	300
gtgttcagtt	cagaaactgg	ttgtagttat	ctcaaatatt	gaaagtgggtg	aggtcctgga	360
aagatggcag	tttgatattg	agtgtgacaa	gactgcaaaa	gatgacagtg	caccagaga	420
aaagtctcag	aaagctatcc	aggatgaaat	ccgttcagtg	atcagacaga	tcacagctac	480
ggtgacattt	ctgccactgt	tggaagtttc	ttgttcattt	gatctgctga	tttatacaga	540
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tgagggaagtc	cgcttctcgt	cattttactac	tacaatccac	aaagtaaata	gcattggtggc	660
ctacaaaatt	cctgtcaatg	actgaggatg	acatgaggaa	aataatgtaa	ttgtaatttt	720
gaaatgtggt	tttcttgaaa	tcagggtcatc	tatagtgtat	atgttttatt	tcattgggta	780
atttttacat	ggagaaaacc	aaaatgatac	ttactgaact	gtgtgtaatt	gttcctttta	840
tttttttggt	acctatttga	cttaccatgg	agttaacatc	atgaatttat	tgacatttgt	900
tcaaaaggaa	ccaggaggtt	tttttgtcaa	cattgtgatg	tatattcctt	tgaagatagt	960
aactgtagat	ggaaaaactt	gtgctataaa	gctagatgct	ttcctaaatc	agatgttttg	1020
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agtctaaata	ttcagaatct	ttgttaagggt	cctgaaagta	actcataatc	tataaacaat	1140
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cagttttccaa	ttatttgact	ttaatttatg	taacttgaac	ctatgaagca	atggatattt	1260
gtactgttta	atgtttctgt	atacagaact	cttaaaaatg	ttttttcatg	tgttttataa	1320
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aaaaaaaaaa	a					1391

<210> 68
 <211> 1484
 <212> DNA
 <213> Homo Sapiens

<400> 68						
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ggactcacct	tgcttgtaac	tactgatctt	gagctcataa	aatacctaaa	taatgtgggtg	240
gaacaactga	aagattgggt	atacaagtgt	tcagttcaga	aactgggtgt	agttatctca	300
aatattgaaa	gtggtgaggt	cctggaaaga	tggcagtttg	atattgagtg	tgacaagact	360
gcaaaagatg	acagtgcacc	cagagaaaag	tctcagaaag	ctatccagga	tgaaatccgt	420
tcagtgatca	gacagatcac	agctacgggt	acatttctgc	cactgttgga	agtttcttgt	480
tcatttgatc	tgctgattta	tacagacaaa	gatttggttg	tacctgaaaa	atgggaagag	540
tcgggaccac	agtttattac	caattctgag	gaagtgcgcc	ttcgttcatt	tactactaca	600
atccacaaag	taaatagcac	ggtggcctac	aaaattcctg	tcaatgactg	aggatgacat	660
gaggaaaata	atgtaattgt	aattttgaaa	tgtggttttc	ctgaaatcag	gtcatctata	720
gttgatattg	tttattttcat	tggttaattt	ttacatggag	aaaacaaaaa	tgatacttac	780
tgaactgtgt	gtaattgttc	cttttatttt	tttggtacct	atttgactta	ccatggagtt	840
aacatcatga	atttattgca	cattgttcaa	aaggaaccag	gagggttttt	tgtcaacatt	900
gtgatgtata	ttcctttgaa	gatagtaact	gtagatggaa	aaacttgtgc	tataaagcta	960
gatgctttcc	taaatacagat	gttttgggtca	agtagtttga	ctcagtatag	gtagggagat	1020
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ttgaacctat	gaagcaatgg	atatttgtac	tgtttaaatgt	tctgtgatac	agaacagatt	1260
aatactccct	ttttatcatt	acagtttagct	aaaaaattgc	caggcagtc	acaaaacaga	1320
atttgcttta	agaccaaccc	acagagtcag	ctggagacta	acggcgctgg	ggcctgctgg	1380
gccgggatat	agtcgtgttt	agctaagtgt	cgagagcatt	aagaagaaa	tcctggttgg	1440
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<210> 69
 <211> 532
 <212> DNA
 <213> Homo Sapiens

<400> 69						
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ggagcgccga	aatcgtggcc	gagttcttct	cattcggcat	caacagcatt	ttatatcagc	120
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taactactga	tcttgagctc	ataaaaatacc	taaataatgt	ggtggaacaa	ctgaaagtgc	240
acccagagaa	aagtctcaga	aagctatcca	ggatgaaatc	cgttcagtga	tcagacagat	300
cacagctacg	gtgacatttc	tgccactggt	ggaagtcttct	tgttcatttg	atctgctgat	360
ttatacagac	aaagatttgg	ttgtacctga	aaaatgggaa	gagtcgggac	cacagtttat	420
taccaattct	gaggaagtcc	gccttcgttc	atttactact	acaatccaca	aagtaaatag	480
catggtggcc	tacaaaattc	ctgtcaatga	ctgaggatga	catgaggaaa	at	532

<210> 70
 <211> 1379
 <212> DNA
 <213> Homo Sapiens

<400> 70						
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atcgtggccg	agttcttctc	attcggcatc	aacagcattt	tatatcagcg	tgccatata	180
ccatctgaaa	cctttactcg	agtgacagaa	tacggactca	ccttgcttgt	aactactgat	240
cttgagctca	taaaatacct	aaataatgtg	gtggaacaac	tgaaagattg	gttatacaag	300
tgttcagttc	agaaaactgg	tgtagttatc	tcaaataattg	aaagtgggtga	ggtcctggaa	360
agatggcagt	ttgatattga	gtgtgacaag	actgcaaaag	atgacagtcg	acccagagaa	420
aagtctcaga	aagctatcca	ggatgaaatc	cgttcagtga	tcagacagat	cacagctacg	480
gtgacatttc	tgccactggt	ggaagtcttct	tgttcatttg	atctgctgat	ttatacagac	540
aaagatttgg	ttgtacctga	aaaatgggaa	gagtcgggac	cacagtttat	taccaattct	600
gaggaagtgc	gccttcgttc	atttactact	acaatccaca	aagtaaatag	catggtggcc	660
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aatgtgtgtt	ttcctgaaat	caagtcactc	atagttagata	tgttttattt	cattggttaa	780
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ctgtagatgg	aaaaacttgt	gctataaagc	tagatgcttt	cctaaatcag	atgttttgg	1020
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gtttccaatt	atttgacttt	aatttatgta	acttgaacct	atgaagcaat	ggatatttgt	1260
actgtttaat	gttctgtgat	acagaactct	taaaaatgtt	ttttcatgtg	ttttataaaa	1320
tcaagtttta	agtgaagtg	aggaaataaa	gttaagtttg	ttttaattt	gtcttaaaa	1379

<210> 71
 <211> 357
 <212> DNA
 <213> Homo Sapiens

<400> 71						
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gtggtgctcg	gcgacggcgt	gcagctccc	cccggggact	acagcacgac	ccccggcgcc	120
acgctcttca	gcaccacccc	gggaggtacc	aggatcatct	atgaccggaa	attcctgatg	180
gagtgctcga	actcacctgt	gaccaaaa	cccccaagg	atctgccac	cattccgggg	240
gtcaccagcc	cttccagtga	tgagccccc	atggaagcca	gccagagcca	cctgcgcaat	300
agcccagaag	ataagcgggc	gggcggtgaa	gagtcacagt	ttgagatgga	catttag	357

<210> 72
 <211> 872

<212> DNA
<213> Homo Sapiens

<400> 72
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acccccggcg gcacgtcttt cagcaccacc ccgggaggta ccaggatcat ctatgaccgg 180
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cacctgcgca atagcccaga agataagcgg gcgggcggtg aagagtcaca gtttgagatg 360
gacatttaaa gcaccagcca tcgtgtggag cactaccaag gggccccctca gggccttcct 420
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gggtcggaca ccccagccct ttctccctca ctgccccctc ctcttcgtga 540
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gacccctgccc agcacaccct gcagccaagg gccaggaagt ggacaagaac gaacccttcc 660
ttccgaatga tcagcagttc cagccccctg ctgctggggg cgcaaccacc ctttccttag 720
gttgatgtgc ttgggaaagc tccctcccc tcttcccca agagaggaaa taaaagccac 780
cttcgcccta gggccaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 840
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa 872

<210> 73
<211> 895
<212> DNA
<213> Homo Sapiens

<400> 73
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gaccatgtcc gggggcagca gctgcagcca gacccaagc cgggccatcc ccgccactcg 120
ccgggtgtgtg ctccggcgacg cgtgacagct cccgcccggg gactacagca cgacccccgg 180
cggcacgctc ttcagacca ccccgggagg taccaggatc atctatgacc ggaaattcct 240
gatggagtgt cggaactcac ctgtgaccaa aacacccccca agggatctgc ccaccattcc 300
gggggtcacc agcccttcca gtgatgagcc ccccatggaa gccagccaga gccacctgcg 360
caatagcccc gaagataagc gggcgggcgg tgaagagtca cagtttgaga tggacattta 420
aagcaccagc catcgtgtgg agcactacca aggggccccct cagggccttc ctgggaggag 480
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ccagcacacc ctgcagccaa gggccaggaa gtggacaaga acgaaccctt ccttccgaat 720
gatcagcagt tccagcccct cgctgctggg ggcgcaacca ccccttcctt aggttgatgt 780
gcttgggaaa gctccctccc cctccttccc caagagagga aataaaagcc accttcgccc 840
taggaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa 895

<210> 74
<211> 850
<212> DNA
<213> Homo Sapiens

<400> 74
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agctgcagcc agacccaag cggggccatc cccgccactc gccgggtggt gctcggcgac 120
ggcgtgcagc tcccggccgg ggactacagc acgacccccg gcggcacgct cttcagcacc 180
acccccggag gtaccaggat catctatgac cggaatttcc tgatggagtg tcggaactca 240
cctgtgacca aaacaccccc aagggatctg cccaccattc cgggggtcac cagcccttcc 300
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cgggcgggag gtgaagagtc acagtgtgag atggacattt aaagcaccag ccactcgtgtg 420
gagcactacc aaggggcccc tcagggcctt cctgggagga gtcccaccag ccaggcctta 480
tgaaagtgat catactgggc aggcgttggc gtggggtcgg acaccccagc ctttctccc 540
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agggccagga agtggacaag ccccttcctt tccctcgaa tgatcagcag ttccagcccc 720
tcgctgctgg gggcgcaacc accccttctt taggttgatg tgcttgggaa agctccctcc 780
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aaaaaaaaaa 850

<210> 75
<211> 895
<212> DNA
<213> Homo Sapiens

<400> 75
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gaccatgtcc gggggcagca gctgcagcca gacccaagc cgggccatcc ccgcccactcg 120
ccgggtggtg ctcggcgacg gcgtgcagct cccgcccggg gactacagca cgacccccgg 180
cggcacgctc ttcagcacca ccccgggagg taccaggatc atctatgacc ggaaattcct 240
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caatagccca gaagataagc gggcgggcgg tgaagagtca cagtttgaga tggacattta 420
aagcaccagc catcgtgtgg agcactacca aggggcccct cagggccttc ctgggaggag 480
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agatacctcc ttgtgcctcc actgatgcag gagctgccac cccaagggga gtgacctctg 660
ccagcacacc ctgcagccaa gggccaggaa gtggacaaga acgaaccctt ccttccgaat 720
gatcagcagt tccagccctt cgctgctggg ggcgcaacca ccccttcctt aggttgatgt 780
gcttgggaaa gctccctccc cctccttccc caagagagga aataaaagcc accttcgccc 840
taggaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaa 895

<210> 76
<211> 357
<212> DNA
<213> Homo Sapiens

<400> 76
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acgctcttca gcaccacccc gggaggtacc aggatcatct atgaccggaa attcctgatg 180
gagtgtcgga actcacctgt gacaaaaaca cccccaaggg atctgcccac cattccgggg 240
gtcaccagcc cttccagtga tgagccccc atggaagcca gccagagcca cctgcgcaat 300
agcccaagaag ataagcgggc gggcggtgaa gagtcacagt ttgagatgga catttaa 357

<210> 77
<211> 6173
<212> DNA
<213> Homo Sapiens

<400> 77
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ccctcctgct gcttctctcc ggcgacggcg ccgtgcgctg cgacacacct gccaaactgca 180
cctatcttga cctgctgggc acctgggtct tccaggtggg ctccagcggt tcccagcgcg 240
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gctttgagat tgtgttgaa gactacaagt ggtttgcctt ttttaaggat gtacttgatt 420
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ctgcagagtt	ttaaaagaat	tgcatatttc	aagctgactt	tcaggatgta	aatataacca	2580
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<212> DNA
<213> Homo Sapiens

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<212> DNA
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<211> 2312
<212> DNA
<213> Homo Sapiens

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<211> 2312

<212> DNA

<213> Homo Sapiens

<400> 91

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<212> DNA

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<212> DNA

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<212> DNA

<213> Homo Sapiens

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 <212> DNA
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 <212> DNA
 <213> Homo Sapiens

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 <211> 372

<212> DNA
<213> Homo Sapiens

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 <211> 327
 <212> DNA
 <213> Homo Sapiens

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 gaatgataat aaaacagctt tgtcttg 327

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 <211> 200
 <212> DNA
 <213> Homo Sapiens

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 <212> DNA
 <213> Homo Sapiens

<400> 118
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 <212> DNA
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<211> 2788

<212> DNA

<213> Homo Sapiens

<400> 125

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<211> 2230

<212> DNA

<213> Homo Sapiens

<400> 126

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<211> 4468

<212> DNA

<213> Homo Sapiens

<400> 127

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<211> 4097

<212> DNA

<213> Homo Sapiens

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<210> 134
 <211> 704
 <212> DNA
 <213> Homo Sapiens

<400> 134						
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 <212> DNA
 <213> Homo Sapiens

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<210> 136
 <211> 704
 <212> DNA
 <213> Homo Sapiens

<400> 136						
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<210> 137
 <211> 868
 <212> DNA
 <213> Homo Sapiens

<400> 137						
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 <211> 2304
 <212> DNA
 <213> Homo Sapiens

<400> 138						
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 <211> 732
 <212> DNA
 <213> Homo Sapiens

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caaaagtgtc	gctaaggctg	tgaagcccaa	ggccgctaag	cccaagggtg	tcaagcctaa	660
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<210> 140
 <211> 691
 <212> DNA
 <213> Homo Sapiens

<400> 140						
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aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	a			691

<210> 141
 <211> 667
 <212> DNA

<213> Homo Sapiens

<400> 141

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<210> 142

<211> 699

<212> DNA

<213> Homo Sapiens

<400> 142

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<210> 143

<211> 772

<212> DNA

<213> Homo Sapiens

<400> 143

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<210> 144

<211> 788

<212> DNA

<213> Homo Sapiens

<400> 144

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 <211> 755
 <212> DNA
 <213> Homo Sapiens

<400> 145						
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 <211> 795
 <212> DNA
 <213> Homo Sapiens

<400> 146						
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<210> 147
 <211> 776
 <212> DNA
 <213> Homo Sapiens

<400> 147						
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ccagatcgtg	tttgagttcg	tgggcgagcc	tgagctcatg	gacgtgcagt	cttctgcaca	360
gacagcatcc	aggggacccc	cgtggagagc	gacgaaatgc	gcccattgctg	gttccagctg	420
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tggtgctga	acagccgcaa	accatcttca	cctgggggca	ttgagtggcg	cagagccggg	660
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aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaa	776

<210> 148

<211> 752
 <212> DNA
 <213> Homo Sapiens

<400> 148
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 catgaaaaag cgaggcttcg gggccggccg gtggaatggc tttgggggca aagtgcaga 180
 aggagagacc atcgaggatg gggctaggag ggagctgcag gaggagagcg gtctgacagt 240
 ggacgccctg cacaagggtg gccagatcgt gtttgagtcc gtgggagagc ctgagctcat 300
 ggacatgcat gtcttctgca cagacagcat ccaggggacc cccgtggaga gcgacgaaat 360
 gcgcccattg tggttccagc tggatcagat ccccttcaag gacatgtggc ccgacgacag 420
 ctactggttt ccactcctgc ttcagaagaa gaaattccac ggggtacttca agttccaggg 480
 tcaggacacc atcctggact acacactccg cgagggtggac acggtctagc gggagccag 540
 ggcagcccct ggcagggaga cgtggctgct gaacagccgc aaaccatctt cacctggggg 600
 cattgagtgg cgcagagccg ggtttcatct ggaattaact ggatggaagg gaaaataaag 660
 ctatctagcg gtggtttttt ttttttttgg aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 720
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa 752

<210> 149
 <211> 1762
 <212> DNA
 <213> Homo Sapiens

<400> 149
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 tgaaggggct cctttatttc gttaggtgct ttcttcccga tcacgtccct gagaccactt 240
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 aaaaaaaaaa aaaaaaaaaa aa 1762

<210> 150
 <211> 454
 <212> DNA
 <213> Homo Sapiens

<400> 150
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 caaagagtgc aaatgcacct cctgcaagaa gagctgtgct tctgtgctgc ctgtgggctg 180
 tgccaagtgt gccagggtc gcatctgcaa agggacgtca gacaagtgca gctgctgtgc 240
 ctgatgccag gacagctgtg ctctcagatg taaatagagc aacctatata aacctggatt 300
 tttttttttt tttttttgta caaccctgac ccgtttgcta catctttttt tctatgaaat 360
 atgtgaatgg caataaattc atctagacta aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 420

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa

454

<210> 151
<211> 404
<212> DNA
<213> Homo Sapiens

<400> 151
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acgagtgc aaatgcacct tgcaagaaga gctgtgctc ctgctgccct gtgggctgtg 180
ccaagtgtgc ccagggtgc atctgcaaag ggacgtcaga caagtgcagc tgctgtgcct 240
gatgccagga cagctgtgct ctcatagatgta aatagagcaa cctatataaa cctggatttt 300
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gtgaatggca ataaattcat cttagactaaa aaaaaaaaaa aaaa 404

<210> 152
<211> 454
<212> DNA
<213> Homo Sapiens

<400> 152
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atgtgaatgg caataaattc atctagacta aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 420
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa 454

<210> 153
<211> 574
<212> DNA
<213> Homo Sapiens

<400> 153
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tgcaaaagagt gcaaatgcac ctctgcaag aagagtgtgt gcagggcctt ccctgcgaat 180
ctgggggatg ggccaattta gagcaggga cccagagctc tgcaggcagg ggcaggccaa 240
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ttaaaaatgg gctgtgctc ctgctgccct gtgggctgtg ccaagtgtgc ccagggtgc 360
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ctaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa 574

<210> 154
<211> 415
<212> DNA
<213> Homo Sapiens

<400> 154
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caactgctcc tgctgcctg ttggctcctg tgccctgtgc ggctcctgca aatgcaaaga 120
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atggcaataa attcatctag actaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaa 415

<210> 155
<211> 829
<212> DNA
<213> Homo Sapiens

<400> 155
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ggagagctac	tccgtatacg	tgtacaaggt	gctgaagcag	gtccaccccg	acaccggcat	180
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caccaaggcc	gtcaccaagt	acaccagcgc	taagtaaact	tgccaaggag	ggactttctc	420
tggaattttc	tgatatgacc	aagaaagctt	cttatcaaaa	gaagcacaat	tgctttcggg	480
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ccacaagcta	aagctggcct	cttgatctca	ttcagattcc	aaagagaatc	atttacaagt	600
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attgtttaca	ttacccatct	cctcttttgc	tctgagaaa	agtatataag	cttctgtacc	720
ccactggggg	gttggggtaa	tattctgtgg	tcctcagccc	tgtaccttaa	taaatttgta	780
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<210> 156
 <211> 844
 <212> DNA
 <213> Homo Sapiens

<400> 156						
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caagaagcgc	aagcgcagcc	gcaaggagag	ctactccgta	tacgtgtaca	aggtgctgaa	180
gcaggtccac	cccgaacccg	gcatctcctc	taaggccatg	ggaatcatga	actccttcgt	240
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taatcattta	ctgttctctc	aagaattgtc	tacattaccc	atctcctctt	ttgcctctga	720
gaaagagtat	ataagcttct	gtaccccatc	ggggggttgg	ggtaatatcc	tgtggtcctc	780
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aaaa						844

<210> 157
 <211> 845
 <212> DNA
 <213> Homo Sapiens

<400> 157						
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tcaaaaagaag	cacaattggc	ttcggttacc	tcattatcta	ctgcagaaaa	gaagacgaga	540
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gattccaaag	agaatcattt	acaagttaat	ttctgtctcc	ttggtccatt	ccttctctct	660
aataatcatt	tactgttcct	caaagaattg	tctacattac	ccatctcctc	ttttgcctct	720
gagaaagagt	atataagctt	ctgtacccca	ctgggggggt	ggggtaatat	tctgtggtcc	780
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aaaaa						845

<210> 158
 <211> 820
 <212> DNA
 <213> Homo Sapiens

<400> 158						
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aagcaggtcc	accccgacac	cggcatctcc	tctaaggcca	tgggaatcat	gaactccttc	240
gtcaacgaca	tcttcgaacg	catcgcgggg	gaggcttccc	gcctggcgca	ttacaacaag	300

cgctcgacca	tcacctccag	ggagatccag	acggccgtgc	gcctgctgct	gcccggggag	360
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tcaaaagaag	cacaattgcc	ttcgggttacc	tcattatcta	ctgcagaaaa	gaagacgaga	540
atgcaaccat	acctagatgg	acttttccac	aagctaaagc	tggcctcttg	atctcattca	600
gattccaaaag	agaatcattt	acaagttaat	ttctgtctcc	ttggtccatt	ccttctctct	660
aataatcatt	tactgttcct	caaagaattg	tctacattac	ccatctcctc	ttttgcctct	720
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<210> 159
 <211> 1278
 <212> DNA
 <213> Homo Sapiens

<400> 159						
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tggagcctca	gcagttccct	ctttcagaac	tcactgccaa	gagccctgaa	caggagccac	120
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gtgtggtgca	gccctgttgg	cagtgggcat	ctgggtgtca	atcgatgggg	catcctttct	240
gaagatcttc	gggccactgt	cgccagtg	catgcagttt	gtcaacgtgg	gctacttctt	300
catcgagcc	ggcgttgtgg	tctttgtctt	tggtttctctg	ggctgctatg	gtgctaagac	360
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gctggtagt	cctgccatca	agaaagatta	tggttcccag	gaagacttca	ctcaagtgtg	540
gaacaccacc	atgaaagggc	tcaagtgtctg	tggcttcacc	aactatacgg	attttgagga	600
ctcacccctac	ttcaaagaga	acagtgcctt	tccccattc	tgttgcaatg	acaacgtcac	660
caacacagc	aatgaaacct	gcaccaagca	aaaggctcac	gaccaaaaag	tagagggttg	720
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ccctggcaag	cagcagtgat	tgggggaggg	gacaggatct	aacaatgtca	cttggggccag	960
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tgttacaatg	ttaaaaaa					1278

<210> 160
 <211> 1297
 <212> DNA
 <213> Homo Sapiens

<400> 160						
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agccaccatg	cagtgtctca	gcttcattaa	gaccatgatg	atcctcttca	atttgctcat	180
ctttctgtgt	ggtgcagccc	tgttggcagt	gggcatctgg	gtgtcaatcg	atggggcatc	240
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tgaggactca	ccctacttca	aagagaacag	tgcctttccc	ccattctggt	gcaatgacaa	660
cgtcaccaac	acagccaatg	aaacctgcac	caagcaaaaag	gctcacgacc	aaaaagtaga	720
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caatctacaa	taagtcactt	tctgcctctg	ccactactgc	tgccacatgg	gaactgtgaa	900
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taggcgatgc	ctgactttcc	ttccattggt	gggtggatgg	gtggggggca	ttccagagcc	1080
tctaaggtag	ccagttctgt	tgccatttcc	cccagctctat	taaaccttgg	atatgcccc	1140
taggcctagt	gggtgtccca	gtgtcttact	gggggatgag	agaaaggcat	tttatagcct	1200
gggcataagt	gaaatcagca	gagcctctgg	gtggatgtgt	agaaggcact	tcaaaatgca	1260
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<210> 161

<211> 1044
 <212> DNA
 <213> Homo Sapiens

<400> 161
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 accatgcagt gcttcagctt cattaagacc atgatgatcc tcttcaattt gctcatcttt 180
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<210> 162
 <211> 1297
 <212> DNA
 <213> Homo Sapiens

<400> 162
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 ctttctgtgt ggtgcagccc tgttggcagt gggcatctgg gtgtcaatcg atggggcatc 240
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<210> 163
 <211> 1297
 <212> DNA
 <213> Homo Sapiens

<400> 163
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 ccaccatgca gtgcttcagc ttcattaaga ccatgatgat cctcttcaat ttgctcatct 180
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<210> 164
 <211> 1296
 <212> DNA
 <213> Homo Sapiens

<400> 164						
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cggtgctggt	agtgcctgcc	atcaagaaag	attatggttc	ccaggaagac	ttcactcaag	540
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<210> 165
 <211> 1076
 <212> DNA
 <213> Homo Sapiens

<400> 165						
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ctggtagtgc	ctgccatcaa	gaaagattat	ggttcccagg	aagacttcac	tcaagtgttg	420
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<210> 166
 <211> 186

<212> DNA
<213> Homo Sapiens

<400> 166
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tgtgccaagt gtgcccaggg ctgcatctgc aaaggggctg cagagaagtg cagctgctgt 180
gcctag 186

<210> 167
<211> 367
<212> DNA
<213> Homo Sapiens

<400> 167
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cctttttttt tgtgaaatat gtgaataata attaaacact tagacttgaa aaaaaaaaaa 360
aaaaaaa 367

<210> 168
<211> 422
<212> DNA
<213> Homo Sapiens

<400> 168
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aaaatccagg attttttttt ttctacaact ccgactcatt tgctacattc ctttttttct 360
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aa 422

<210> 169
<211> 367
<212> DNA
<213> Homo Sapiens

<400> 169
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cgtcagagaa gtgcagctgc tgtgcctgat gtcgggacag ccctgctgtc agatgaaaac 240
agaatgacac gtaaaatccg aggttttttt tttctacaac tccgactcat ttgctacatt 300
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aaaaaaa 367

<210> 170
<211> 467
<212> DNA
<213> Homo Sapiens

<220>
<221> misc_feature
<222> 367, 374
<223> n = a, t, c, or g

<400> 170
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gaacgngngg	cggngagaga	acgtttcact	ttagccagca	tgagctacat	taacctgaat	420
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<210> 171
 <211> 3203
 <212> DNA
 <213> Homo Sapiens

<400> 171						
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<210> 172
 <211> 2500
 <212> DNA
 <213> Homo Sapiens

<400> 172

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<213> Homo Sapiens

<400> 180

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<211> 1629

<212> DNA

<213> Homo Sapiens

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<211> 1539

<212> DNA

<213> Homo Sapiens

<400> 182

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 <213> Homo Sapiens

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 <213> Homo Sapiens

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<400> 187

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 <212> DNA
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<210> 192
 <211> 1344

<212> DNA
<213> Homo Sapiens

<400> 192

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<211> 1497
<212> DNA
<213> Homo Sapiens

<400> 193

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<210> 194
<211> 1450
<212> DNA
<213> Homo Sapiens

<400> 194

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 <211> 1352
 <212> DNA
 <213> Homo Sapiens

<400> 195						
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 <212> DNA
 <213> Homo Sapiens

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 <211> 274
 <212> DNA
 <213> Homo Sapiens

<400> 197						
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<210> 198
 <211> 1584
 <212> DNA
 <213> Homo Sapiens

<400> 198						
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 <212> DNA
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 <211> 1371
 <212> DNA
 <213> Homo Sapiens

<400> 200						
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<212> DNA

<213> Homo Sapiens

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 <212> DNA
 <213> Homo Sapiens

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 <212> DNA
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<211> 1909

<212> DNA

<213> Homo Sapiens

<400> 233

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<211> 2292

<212> DNA

<213> Homo Sapiens

<400> 234

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<212> DNA

<213> Homo Sapiens

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<213> Homo Sapiens

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<212> DNA

<213> Homo Sapiens

<400> 244

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<212> DNA

<213> Homo Sapiens

<400> 248

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<211> 595

<212> DNA

<213> Homo Sapiens

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<211> 4586

<212> DNA

<213> Homo Sapiens

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 <223> n = a, t, c, or g

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	cctcttggtc	cagctgctca	ctccttgctc	agctcagttt	tctgtgcttg	gaccctctgg	120
	gccccctctg	gccatggtgg	gtgaagacgc	tgatctgccc	tgctacactgt	ccccgaccat	180
	gagtgcagag	accatggagc	tgaagtgggt	aagttccagc	ctaaggcagg	tggtgaacgt	240
	gtatgcagat	ggaaggaag	tggaagacag	gcagagtgc	ccgtatcgag	ggagaacttc	300
	gattctgcgg	gatggcatca	ctgcggggaa	ggctgctctc	cgaatacaca	acgtcacagc	360
	ctctgacagt	ggaagtact	tgtgttattt	ccaagatggt	gacttctatg	aaaaagccct	420
	ggtggagctg	aaggttcag	cactgggttc	taatcttcac	gtcgaagtga	agggttatga	480
	agatggagtg	atccatctgg	agtgcaggtc	caccggctgg	tacccccaac	cccaaataca	540
	gtggggcaac	gccaagggag	agaacatccc	agctgtggaa	gcacctgtgg	ttgcagatgg	600
	agtgggccta	tatgaagtag	cagcatctgt	gatcatgaaa	agcggctccg	gggaaggtgt	660
	atcctgcatc	atcagaaatt	ccctcctcgg	cctggaaaag	acagccagca	tttccatcgc	720
	agaccccttc	ttcaggagcg	cccagccctg	gatcgagcc	ctggcaggga	ccctgcctat	780
	cttgctgctg	cttctcgccg	gagccagtta	cttcttgtgg	agacaacaga	aggaaataac	840
	tgctctgtcc	agtgagatag	aaagttagca	agagatgaaa	gaaatgggat	atgctgcaac	900
	agagcgggaa	ataagcctaa	gagagagcct	ccaggaggaa	ctcaagagga	aaaaaatcca	960
	gtacttgact	cgtggagagg	agtcttcgtc	cataccaat	aagtcagcct	gatgctctat	1020
	tgaaaaaatg	gccctcttca	agcctggaaa	aatggctgac	cccattggaca	cctcctcaaa	1080
	ctctctgcag	cagatgtaat	tctgtatcca	gacatggcaa	atgccatcct	ccttgtttct	1140
	gaggaccagg	ggagtgtaca	gcgtgctgag	gagccccatg	acctaccaga	caaccctgag	1200
	agatttgaat	ggcgttactg	tgtgcttggc	tgtgaaagct	tcattgtcaga	nagacactac	1260
	tgga						1265

<210> 255
 <211> 1462
 <212> DNA
 <213> Homo Sapiens

<400> 255	ctaagccata	atagaaagaa	tggagaatta	ttgattgacc	gtctttattc	tgtgggctct	60
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	ctcaaggaca	gacatttttg	gcagagcata	gatgaaaatg	gcaagttccc	tggttttcct	180
	tctgtcaaac	tttcatgtct	ccctcctctt	ggtccagctg	ctcactcctt	gctcagctca	240
	gtttttctgt	cttggaacct	ctggggccat	cctggccatg	gtgggtgaag	acgtgatct	300
	gccctgtcac	ctgttcccga	ccatgagtgc	agagaccatg	gagctgaagt	gggtaagttc	360
	cagcctaagg	caggtggtga	acgtgtatgc	agatggaaaag	gaagtggaaag	acaggcagag	420
	tgcaccgtat	cgaggagaa	cttcgattct	gcgggatggc	atcactgcag	ggaaggctgc	480
	tctccgaata	cacaacgtca	cagcctctga	cagtggaaaag	tacttgtgtt	atttccaaga	540
	tggtgacttc	tatgaaaaag	ccctggtgga	gctgaagggt	gcagcactgg	gttctaattct	600
	tcacgtcgaa	gtgaagggtt	atgaggatgg	agggatccat	ctggagtgc	ggtccaccgg	660
	ctggtacccc	caaccccaaa	tacagtggag	caacgccaaag	ggagagaaca	tcccagctgt	720
	ggaagcacct	gtggttgacg	atggagtggg	cctatatgaa	gtagcagcat	ctgtgatcat	780
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	ggaactcaag	aggaaaaaaa	tccagtactt	gactcgtgga	gaggagtctt	cgtccgatac	1140
	caataagtca	gcctgatgct	ctaattggaaa	aatggccctc	ttcaagcctg	gtgaggaaat	1200
	gcttcagatg	aggctccacc	ttgttaaata	aattggatgt	atggaaaaat	agactgcaga	1260
	aaaggggaac	tcatttagct	cacgagtggg	cgagtgaaga	ttgaaaaata	acctctgagg	1320
	gccagcacag	cagctcatgc	ctgtaatcct	agcactttgg	aaggctgagg	agggcggatc	1380
	acaaggtcag	gagatcaaga	ccatcctggc	taacacgttg	aaaccccgctc	tctactaaaa	1440

atacaaaaaa aaaaaaaaaa aa

1462

<210> 256
<211> 1484
<212> DNA
<213> Homo Sapiens

<400> 256
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ctcaaggaca gacatttttg gcagagcata gatgaaaatg gcaagtcccc tggctttcct 180
tctgtcacaac tttcatgtct cctcctctct ggtccagctg ctcaactcct gctcagctca 240
gttttctgtg cttggaccct ctggggcccat cctggccatg gtgggtgaag acgctgatct 300
gccctgtcac ctgttcccga ccatgagtgc agagaccatg gagctgaagt gggtaaagttc 360
cagcctaagg caggtgggtg acgtgtatgc agatggaaaag gaagtggaaag acaggcagag 420
tgaccctgat cgagggagaa cttcgattct gcgggatggc atcactgcag ggaaggctgc 480
tctccgaata cacaacgtca cagcctctga cagtggaaaag tacttgtgtt atttccaaga 540
tggtgacttc tatgaaaaag ccctgggtgga gctgaagggt gcagcactgg gttctaattc 600
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aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa 1484

<210> 257
<211> 1526
<212> DNA
<213> Homo Sapiens

<400> 257
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cctcttggtc cagctgctca ctcttgctc agctcagttt tctgtgcttg gaccctctgg 180
gccatcctg gccatggtgg gtgaagacgc tgatctgccc tgtcacctgt tcccgacct 240
gagtgcagag accatggagc tgaagtgggt aagttccagc ctaaggcagg tggatgaact 300
gtatgcagat ggaaaggaag tggaaagacag gcagagtgc ccgtatcag ggagaacttc 360
gattctgctg gatggcatca ctgcagggaa ggtgctctc cgaatacaca acgtcacagc 420
ctctgacagt ggaaagtact tgtgttattt ccaagatggt gacttctatg aaaaagccct 480
ggtggagctg aaggttgacg cactgggttc taatcttcac gtcgaagtga agggttatga 540
ggatggaggg atccatctgg agtgcaggtc caccggctgg taccaccaac cccaaatata 600
gtggagcaac gccaaaggag agaacatccc agctgtggaa gcacctgtgg ttgcagatgg 660
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tgaacccgga aggcagagc tgcagtagc cgagatcacg ccactgcact ccagcctggg 1500
agacagagcg agactctgtc tcaaga

<210> 258
<211> 1666

<212> DNA
<213> Homo Sapiens

<400> 258
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agaattattg attgaccgtc tttattctgt gggctctgat tctccaatgg gaataccaag 120
ggatggtttt ccatactgga acccaaagggt aaagacactc aaggacagac atttttggca 180
gagcatagat gaaaatggca agttccctgg ctttccttct gctcaacttt catgtctccc 240
tcctcttggt ccagctgctc actccttgct cagctcagtt ttctgtgctt ggaccctctg 300
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tgaacccgga aggcagagct tgcagtgaag cgagatcacg ccaactgcact ccagcctggg 1620
agacagagcg agactctgtc tcaagaaaaa aaaaaaaaaa aaaaaa 1666

<210> 259
<211> 1777
<212> DNA
<213> Homo Sapiens

<220>
<221> misc_feature
<222> 1326, 1406
<223> n = a, t, c, or g

<400> 259
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caaatgccat cctccttggt tctgaggacc agaggagtgt acagcgtgct gaggagcccc 120
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tcatcactat	tattgctcac	cactgtatcc	cctctactgg	gcaagtgcct	gtcaagtctt	1740
agttgttcaa	taaatttgtt	aataatgctg	actcttc			1777

<210> 260
 <211> 3140
 <212> DNA
 <213> Homo Sapiens

<400> 260						
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cgagatcatg	aattcttttc	ccttagccaa	aacatgaaat	atttaacctt	gttgtctcta	3060
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aataaatctt	ttacaaacct					3140

<210> 261
 <211> 923
 <212> DNA

<213> Homo Sapiens

<400> 261

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<211> 2792

<212> DNA

<213> Homo Sapiens

<400> 268

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 <213> Homo Sapiens

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 <212> DNA
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 <212> DNA
 <213> Homo Sapiens

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<212> DNA

<213> Homo Sapiens

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<211> 916

<212> DNA

<213> Homo Sapiens

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<210> 278

<211> 901

<212> DNA

<213> Homo Sapiens

<400> 278

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<210> 279

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<212> DNA

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<212> DNA
<213> Homo Sapiens

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<213> Homo Sapiens

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<211> 1546
<212> DNA
<213> Homo Sapiens

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<212> DNA
<213> Homo Sapiens

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<211> 1222

<212> DNA

<213> Homo Sapiens

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 <212> DNA
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<212> DNA
<213> Homo Sapiens

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aaaaaaaaa aaaaaaaaaa aaa 803

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<211> 321
<212> DNA
<213> Homo Sapiens

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321

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<211> 944
<212> DNA
<213> Homo Sapiens

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<211> 1499
<212> DNA
<213> Homo Sapiens

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<211> 755
<212> DNA
<213> Homo Sapiens

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 <212> DNA
 <213> Homo Sapiens

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